

Meeting Description: Michigan Geographic Framework Users Meeting

Date: June 6, 2002

Time: 10:00 a.m.

Location: Michigan Center for Geographic Information, George W. Romney Building, 10th Floor, Conference Room

I. Approval of May Meeting Minutes

II. Geographic Framework Program

A. Version 2 Update

Rob Surber, Michigan Center for Geographic Information (CGI), reported that as part of quality control on framework, they have done a scatter plot of point ids and measured distance before and after repositioning. Where there was a high concentration that had not been moved CGI went back into those areas and picked up the ones that had been missed through production control procedures. CGI did a complete once through again on state trunkline. Did a complete check on trunkline road names and finished a route name check for consistency across county lines. CGI now is in the final throws of statewide quality control. Expect that within the week Version 2 should be done and in Everett Root's, CGI, hands to make the final preparations for delivery. They did do the complete TIGER address update where replacing blanks in the CGI file. They took the addresses out of the middle of medians and boulevards that came over from the conflation from TIGER to MIRIS. Where TIGER had a single line feature to a two barrel MIRIS feature, these have been removed from the center of the boulevards - not if houses in there. Did it programmatically to find them and used a manual process to remove them. Before the Framework Editor is up and running, we are still are working on a county-by-county basis. Didn't want to retool since are moving to a new environment. This is a big job. Feedback has helped and is much appreciated. CGI had a meeting with ESRI regarding the Framework Editor. CGI hit walls regarding explicit topology requirements in the new geo database. ESRI acknowledged there are challenges. The goal is to create 'change transaction files' with explicit topology as they make edits. That information is not readily available - have to do a set of procedures to create routes. This has an effect on the efficiency of the framework production and release. CGI relies heavily on point ids and physical reference (PR) numbers for identifying topology change and that is put into the transaction file. If point ids are not readily available at the time of edit and for maintenance, it is a problem. CGI is not opposed to idea of thinking out of box but there are requirements that the system has to support. Topology ids are one of them. CGI wants to do as much as they can at the time of edit to capture things. They need instant feedback. They do a lot of validations of whether what they are doing is correct - are they good edits. There are a lot of rules and more will be added. ESRI is going to prepare a demo based on CGI requirements and show what they have developed. CGI doesn't need them to develop specific tools; they need the tracks to run on.

Tammi Shepherd, Wayne County GIS, stated that based on their relationship with CGI, they are holding back on moving to geo database model with their transportation network. When ESRI develops a solution with CGI, Wayne County will be able to do it.

B. Act 51 Update

Rob Surber, CGI, reported that CGI finished the production tools in-house for the reconciliation process with framework. Alden Leatherman, CGI, said that this was one of the most complicated programs he has written. Training of internal staff is to begin the end of this month. Full production on Version 2 is scheduled to begin July 1. The local units of government are official authority. CGI is taking the legal documents and making sure

framework is in sync with that, but CGI is differentiating differences. Ultimately this represents a maintenance vehicle for framework.

C. Digital Ortho Update

Everett Root, CGI, reported that Michigan Department of Natural Resources (MDNR) is continuing to process the black and whites and the occasional color infrared (IR).

Rob Surber, CGI, mentioned that there is a quality control problem with eight of the Wexford County quads. The problem has been confirmed with the ground control that is being done and with federal sources. At this time, we do not know when they will be replaced. Rob will be requesting that a check be done around that area. CGI will continue to make sure that work CGI did is supported by control. When they find a problem like this, they will fix it when they get better information and state it in the metadata.

Everett Root, CGI, commented that they captured 18 points in Wexford County. There were only 2 points that were less than 3 meters off and the rest were 12 to 17. The average was less than 3 meters in previous tests. Everett displayed a map showing a series of insets displaying all 18 points with photos behind them.

Jeroen Wagendorp, Allegan County, asked if Wexford was covered by Consumer's orthos from an earlier version.

Everett Root, CGI, responded that he didn't know of any. The Michigan Department of Natural Resources (MDNR) has some of that. The ones on the east and west were accurate but the ones in the center were a problem. MDNR is aware of the problem. The Lucas quad has been replaced, but as of now there is no plan to replace any black and white digital ortho quarter quads (DOQQ), probably because the color is out there. CGI will ask the GPS team to check the quads north and south of here.

Bill Enslin, MSU Center for Remote Sensing, stated that he heard it was contractor-based problem.

Everett Root, CGI, added that that is why it changes quad to quad.

Rob Surber, CGI, stated that CGI would have to document this. There was another question in CUPPAD. Will work with the Michigan Department of Transportation (MDOT) group to see if they can check a couple of spots in the Upper Peninsula.

D. National Hydro Dataset (NHD) Update

Steve Miller, Michigan Department of Environmental Quality (MDEQ), reported that the Fisheries Institute at University of Michigan is proceeding in developing their 12 watersheds under contract with U.S. Forest Service (USFS). The USFS will contract (probably with U.S. Geological Survey) 25 watersheds that include forest service lands. Fisheries Institute is starting with the AuSable and the Manistee. There have been significant problems working with the converters that were necessary to get the data in the correct format. They are now in production stage on those two. They are now looking to extend the contract to the end of January to complete the 12 watersheds. CGI made a commitment to get as much of the reposition work before the contractors begin work. That cannot be done for the watersheds in the Lower Peninsula, but looking at Upper Peninsula watersheds that cut across to Wisconsin. We will have the watersheds done and then will take over the NHD in terms of the remainder of the state. After the repositioning we will do some work that looks at issues of connectors and artificial flow paths and other NHD issues. There is no way to get ahead of that for these efforts.

Rob Surber, CGI, added that an innovative partnership (IP) is being submitted to work on a cooperative relationship with USGS.

Steve Miller, MDEQ, stated that the multi-year proposal to develop the high resolution for the remainder of the state and then go back to be sure what has been done by others and be sure that others are consistent with our approach for the rest of the state. Then also develop a procedure

for capturing updates and how to integrate in local data from Drain Commissioners and Forestry Division.

Rob Surber, CGI, added that when the Fisheries folks are out in field, they might find issues that could come back as data for the project.

Steve Miller, MDEQ, stated that the Forest Service is going to take responsibility for hydrology within the Forest Service lands. They have their own coverages and will maintain responsibility and will be data stewards there. Looking at the potential of other local groups who may become involved as data stewards. These are part of the things being proposed to USGS, which will be unique in the country.

Rob Surber, CGI, added that this is similar as to how the state is entering into transportation.

Steve Miller, MDEQ, started looking at repositioning issues and timing of repositioning hydrography. They are getting time estimates. They are getting feedback to stakeholders about issues from April meeting. They are also putting things on the web site. Will post breakout groups results, summary of meetings, issues in terms of repositioning and provide mechanism for people to review this and provide feedback.

Rob Surber, CGI, added that there is NHD information on the CGI web site. It is a way to reference data on rivers just like we reference roads. It will be a good tool for modelers, GIS professionals, and scientists.

Steve Miller, MDEQ, commented that the 1:100,000 NHD is now up and available for the whole state on the USGS web site (usgs.nhd.gov). The data is available and there are pictorials to use it.

E. 2000 Urbanized Areas / 2001 Legislative Districts

Rob Surber, CGI, reported that the 2000 TIGER urban boundaries are on the CGI web site both as a cartographic map product and as shape files. Also have finished mapping the 2000 Urban Boundaries to Version 2 framework and will be released at the same time as Version 2. Also have 2001 State Senate, House, and Congressional done on Version 2 as well. Will be an addendum to Version 2 and will be part of Version 3. There is a potential that the congressional plan may change.

Eric Swanson, CGI, stated that all hearings have been cancelled and there is a 30-day extension for parties to reargue their case. A three-judge panel said the plan that has been drawn has not been drawn unconstitutionally. It is now charged to the plaintiff, which is the Democratic Party, to argue why it is truly unconstitutional.

Rob Surber, CGI, added that some issues in the past that have been unconstitutional (i.e. discriminating racially) and that has not been argued. The boundaries will be there unless they are changed.

F. Wayne County Michigan Geographic Framework (MGF) Meeting

Rob Surber, CGI, reported that CGI will meet with Wayne County after this meeting. They have done a lot of work to synchronize their centerlines. There are a few model differences and maintenance relationship - hope to set it that it comes back as a transactional basis. This holds promise for an on-going relationship for other areas.

G. Census Bureau Meeting

Rob Surber, CGI, reported that the Census Bureau meeting is scheduled for next Wednesday, June 12. Randy Fusaro, Dorothy Stroz, and Bob LeMacchia from Washington, D.C., Michigan Department of Transportation (MDOT), and Qualified Voter File (QVF) will be represented. The purpose is to look at institutional relationships between Michigan and the Bureau related to TIGER modernization. CGI wants to show the whole process of certification in state and how it is being integrated into framework and how it can help support TIGER modernization. It takes the extra work from local governments who provide the state some of the information. It is

a credibility builder related to the State's relationship to locals as well as federal government's relationship to locals. It is a valuable thing because it ties funding mechanisms to better geography and better information, especially since the Bureau is looking at the American Community Survey, which will rely on updated information. The Act 51 process has sign-off for every county on their roads as a part of the process, as well as sign-off on the boundaries. The idea is to utilize the existing processes to reduce duplication. CGI thinks that Michigan has a good model and can strengthen the process of working together on geographic information system (GIS) standards, mapping, and implementations. Will begin with technical issues – TIGER id relationships with CGI id numbers – there are some model differences. The Census Bureau hired a vendor to do this. The goal is to set specifications for Michigan that may be different from other states.

Ann VanSlembrouck, SEMCOG, asked if there was a meeting in the past with them.

Rob Surber, CGI, responded not like this. In the past, it has been loose. Rob went with Wayne County to Washington starting to explore I-Team concept. This was a way to work together on an update maintenance relationship between the State, Wayne County, and the federal government. They had not decided how to go forward. The timing is different now because they have a vendor and a plan and money to do this. The key is to catch it before it gets too far in the process to incorporate what the state is doing.

Eric Swanson, CGI, added that he wants tangible products, timeline, and the Bureau to become a funding partner to the State's overall efforts. We have the infrastructure in place to do this. There have been lots of talks with the Bureau about potential and this is the big discussion. The Bureau is talking about the enumerators and for the American Community Survey (ACS) having global position system (GPS). Which means they have got to get on the right side of the roads. We meet or exceed anything they want to do at this time. The State has business processes that are locked into place for certified annual updates.

Rob Surber, CGI, commented that the sticking point has been the local input certification process. We can channel through the current process. If the process isn't catching all the roads, that will drive another incentive to make sure the road funding processing is a good vehicle. A lot of people get hit up for information from the Census Bureau. Part of the process is that they get communities to input boundaries on maps on napkins or whatever but they don't put it in as it goes to them, they also have to check with the State to be sure they are finalized and not in dispute. Let's do it once. There are a lot of reasons why this makes sense. QVF identifies new private road additions and the Census Bureau can make use of that. We might get a relationship between framework and TIGER that other types of information from the Bureau might be integrated in a little bit more easily in the future.

III. Michigan Department of Natural Resources (MDNR) Projects and Activities Not present.

IV. Michigan Department of Transportation (MDOT) Projects and Activities

Joyce Newell, MDOT, reported that their staff will do Pavement Surface Evaluation and Rating (PASER), pavement condition rating, using RoadSoft software. The software is available for each of the local road commissions. MDOT is interested in an aerial photography program for MDOT. They do a lot of the flying themselves for project related stuff. They also have environmental needs to have wider area photos. MDOT wants to be sure that they have what they need and don't duplicate efforts. Also want to make it available to others. MDOT's recommendation is to support the aerial photo program that MDNR and CGI have been doing for

framework. Also to continue to do business as they have been but let people know where to find things.

Rob Surber, CGI, stated that MDOT has products that are buried in projects that people do not know about.

Joyce Newell, MDOT, stated that when they fly projects they get it down to the inch and do engineering plans from the aerial photography. When they are doing corridor studies, they do a less accurate flight and have more information available for those. When they have a contractor take over the study and don't have recent photography, they will fly themselves. How do we know we don't have something if don't know where to look. Others may be able to use it in addition to what they have.

Rob Surber, CGI, added that this is somewhat true of other departments also. MDNR has done work in state parks and have more accurate photography there. That information might be of some interest. There are different products other than the statewide things.

Joyce Newell, MDOT, stated that there is also the potential of working with local areas and sharing data and costs.

Kirt Livernois, K.D.L. Geographer, asked if this also includes extensive ground control that goes with it.

Joyce Newell, MDOT, responded yes that it does.

Jeroen Wagendorp, Allegan County, asked what year Act 51 was established.

Joyce Newell, MDOT, responded that it was 1951.

Carol Woodman, Michigan State Industries (MSI), asked if MDOT would ever release photos of "As Built Projects".

Joyce Newell, MDOT, answered that if they can find them, they could. Don't even know if there were photos on paper or if they had actual digital photos. There is a web site on MDOT's local server to find what areas were flown and when but there are no photos. Don't know how far back goes or how inclusive it is.

V. Michigan Department of Environmental Quality (MDEQ) Projects and Activities

Steve Miller, MDEQ, reported that the Department of Information Technology (MDIT) staff has reorganized. They now have 3 sections and 3 chiefs. John Clark, MDEQ, developed application MDEQ's ArcIMS site taking a light detection and ranging system (LIDARS) project that had flown the Macatawa flood plain work on the internet with digital ortho quads (DOQ) backgrounds. They are in process of applying for federal funds for flood plain mapping. They wanted to point to that and it has gotten lost. That might be something that pushes getting applications that lack support.

VI. Michigan State Police (MSP) Projects and Activities

Not present.

VII. Michigan State Industries (MSI) Projects and Activities

Carol Woodman, MSI, reported that MSI has been working on 3 projects for MDOT. They are one month from completion of the Physical Reference (PR) Finder (relating reference numbers to areas on the routes). They are now finishing up final files of hardest ones to find. For the Act 51 mileage project, MSI has been getting township Act 51 maps by region from MDOT and scanning and rectifying them. MSI has completed the Upper Peninsula and the northern region. They are now working on Bay and Grand. The "As Built" project (maintenance projects on paper) is scanning engineering plans and related documents by project number. MDOT is giving CDs of scanned items to MSI, who is reviewing the TIFs and relating

the project to location. There are over 50 CDs for Wayne County alone. MDOT will be able to pull up project by CS number, PR number, or location. MDOT will be able to select a road and see what projects happened there. They will be able to eliminate paper.

Since some locations have had so many projects over the years, MSI has also added a brief description of each project and the year. The program that MSI built works well at their facility but does not work at MDOT. MSI is revamping it.

VIII. CGI Projects and Activities

A. ArcIMS Voter Application

Rob Surber, CGI, reported they are starting a new ArcIMS joint project with Publius - non-profit group out of the Detroit area. The idea is for voter education. This site is being developed in conjunction with Candice Miller, Secretary of State, and CGI to educate voters on a number of things. If you enter in a name in the site, it will tell you where to vote, when election is, what's on the ballot, what ballot looks like, what voting equipment you will use, who candidates are, and in the future will route a map for you. Validating polling locations to be sure they are in correctly. It is a nice public service application to the citizens in state. And it is also a way to highlight framework and ArcIMS and some of the things that CGI is working on. If not a registered voter, your name is not in there. Concept is good for educating people so they know what to face when they get to the polling locations. The timeline is to complete this summer for primaries. It is expected that the month before election will get heavy usage. Experience shows that two weeks before and three days before an election is the busiest.

B. MI Schools Info Online Update (<http://micims-cluster.state.mi.us/mischoolinfo/>)

Rob Surber, CGI, reported that new MEAP data has been released. The site is designed to help parents decide where to send their children to school. The mapping component is part of that. www.michigan.gov the EDUCATION section. Covers all charter and public schools. There are new schools popping up and existing schools disappearing all the time. CGI has had about 50 changes since the last release.

Everett Root, CGI, added that this is a Spatial Database Engine (SDE) application.

Rob Surber, CGI, commented that this has all adult learning centers.

C. Street Index Redistricting Update

Rob Surber, CGI, reported that all but 5 communities (Ionia city, Ann Arbor, Trenton, Wayne, and a couple of townships) done – the others are waiting for their school elections. This has been a real success. It was done in time for elections.

D. CGI Web Portal Update (www.michigan.gov/cgi)

Carolyn Lauer, CGI, reported that creating CGI's web site in the new State Vignette environment, pulled a lot of CGI staff together along with cooperation and assistance from MDNR, MDEQ, and MDOT. One of the categories on the web site is the Michigan Geographic Data Library. The purpose is to provide a state repository for digital geographic information. CGI is now looking for a way to maintain and keep information current and updated. John Clark, MDEQ, is helping CGI staff develop an interface to allow continual update to be done in a user-friendly way. It will be helpful internally and provide users with the most current information.

Bill Enslin, MSU, asked if auto-notification is being considered as a possibility. Example – if in the future I am interested in a particular data set and want to know when it changes, will he be e-mailed when it changes.

Carolyn Lauer, CGI, responded that there is nothing in the plans but that is something to look at. There is a process for an authorization path so the data is accurate and ready for use.

IX. MSU Center for Remote Sensing and GIS Projects and Activities

Bill Enslin, MSU Center for Remote Sensing, reported that they are making changes in the viewer. There are several things to report that will be new in the new version. Menu system will have XP type look to it. Have an XML start up environment, which allows for easier custom installations and to tell software what components are there and how to symbolize those components. They have streamlined so that there are base themes and user business themes. Use the same forms for symbolizing themes. Scale threshold is on everything. Turning features on and off can be set. They have implemented the ability to display highway shields. Asked the group if there are files now for that – if not they will create them. This will be a point feature location that will have number of road, whether it is an interstate, U.S. highway, or a state highway.

Ann VanSlembrouck, SEMCOG, commented that southeast Michigan has some.

Steve Miller, MDEQ, added that John Clark, MDEQ, worked with Stuart Talsma, CGI, and the map Steve saw looked nice.

Rob Surber, CGI, stated that this month CGI is looking at the cartography component with web and display.

Everett Root, CGI, commented what is done may be converted easily.

Rob Surber, CGI, added that we might want to touch base with Stuart Talsma and others before moving forward.

Bill Enslin, MSU, stated that they have done Ingham County as a way to implement the process and see the results.

Steve Miller, MDEQ, commented that the effort that he saw, a lot of work had been invested for display of roads. The road segments are linked together nicely.

Rob Surber, CGI, added that at the interchanges there is an interchange symbol and some other things that they were working on.

Bill Enslin, MSU, said that theirs is not that detailed.

Rob Surber, CGI, added that CGI's goal is to have a way to derive information out of versions as they come out. Have a bunch of cartographic things that can be spit out. They can use it for internal needs but it might be of interest to others.

Bill Enslin, MSU, stated that he would be interested. They also made revisions to support the new metadata for framework files on a county basis and theme basis. They have implemented a 'Compare Geo Link Images' form which allows the user to visually look at up to four images at same time and pan and zoom interactively. Met with Jeroen Wagendorp, Allegan County, and Eric Nischan, Michigan State Police (MSP). Considering using viewer as a means to get out basic emergency data for Federal Emergency Management Agency (FEMA) program. MSP has the new version and is looking at it. Has been used by MSU Extension Service in training for high school teachers. MSU is starting to install ArcSDE 8.2 and Arc IMS 4.0 and will be evaluating going to that environment. Bill did a report on image mosaicing. He displayed three examples of Ingham County and asked for feedback before proceeding. This is a pilot project but Bill thinks that it is doable and operational. There are issues. It is satisfying one purpose and can be useful for other purposes. This can be used in the viewer.

Jeroen Wagendorp, Allegan County, stated that for those who have gray scale photography, the color infra red is a nice feature.

Steve Miller, MDEQ, added that this will help when looking at road plots in terms of using the data in terms of trying to load data into SDE.

Rob Surber, CGI, asked Bill Enslin if most of it is processing.

Bill Enslin, MSU, responded that to compress the file that he displayed it takes about 4 hours to compress. If all data and processes worked out it would probably only take 1-2 weeks to do

the state. But you cannot have everything uncompressed at one time, so it must be done in pieces.

Eric Swanson, CGI, asked Bill what he is looking for.

Bill Enslin, MSU, responded evaluation of what they have developed now. There is a lot of control over appearance, but once it is decided what it will look like, it will be a while before another one is created. MSU wants to work on another county to look at variability issues.

Jeroen Wagendorp, Allegan County, added that he would love to write down the point in time when an uncompressed image is available.

Bill Enslin, MSU, stated that MSU would have to create it. They have the original 64 quarter quads (QQ) on hard drive and specifying which files to mosaic to create prints. Don't actually have to merged image.

Eric Swanson, CGI, asked Bill how he would like user inputs to the project.

Bill Enslin, MSU, responded that he is interested in the users' reactions first of all.

Ann VanSlembrouck, SEMCOG, asked what this is.

Bill Enslin, MSU, stated that it is an ortho photo quad.

Rob Surber, CGI, clarified that it is color infra red (CIR). Governments do black and white. Infrared is an additional set of information that would not be duplicating what is already out there – certainly for hydro features.

Valdis Kalnins, Allegan County, commented that they would like to enhance black and white 1 foot orthos with that and merge together.

Rob Surber, CGI, wondered if there is a way to take satellite and get color into it. That might be too broad of a jump.

Bill Enslin, MSU, commented that there is software that can do those operations.

Rob Surber, CGI, added but what are we getting – there is a difference of time.

Bill Enslin, MSU, stated that this way you know the date. Can actually feather together. What we are looking at today where there are overlaps is a contribution from both dates.

Jeroen Wagendorp, Allegan County, commented that he prefers the color infrared for the appearance. Suggested that to have the reds stand out nicely balance and lay side by side with gray scale. Then in the Image Viewer can look at side-by-side.

Bill Enslin, MSU, added that once MDNR completes the 1998s, there will be 2 mosaics. One would be the CIR and the 1992 and where available, a historic black/white.

Steve Miller, MDEQ, stated that this is amazing in terms of usefulness. This is revolutionary.

Rob Surber, CGI, added that counties have their mosaics. But for different sources to be put together, this is of real value. Don't have the luxury to have complete coverage, because planes are flying at different times. Is curious as to whether this reduces the ability to interpret hydro.

Bill Enslin, MSU, stated that he will have Dennis Hudson and Dave Lusch, who teach Photo Interpretation, look at the common features in the landscape. These things can be viewable from the web. The Digital Raster Graphics (DRG) can be rendered in 4-5 seconds. It would be the same with this. It is taking what it needs to fill in your real estate on the screen, so it doesn't have to pull a lot of data. It is optimized for multi-resolution application.

Jeroen Wagendorp, Allegan County, commented that most counties don't have raster capabilities whatsoever. It has been taking 24 hours to convert 1 quad for those that do have it.

Bill Enslin, MSU, stated that ER Mapper has plug-ins for other applications. If somebody does not like the colors, they can change them.

Eric Swanson, CGI, stated that whatever gets produced, will be used widely and modified little. This is a general utility across the board and will be used heavily.

X. County / Local Projects and Activities

Jeroen Wagendorp, Allegan County, reported that he has been working with the Sheriff Department. They use an accident reporting form UD10. The Department mails these forms into Lansing and 2 years later they get the results back. The Sheriff asked Jeroen if it is possible to capture the information in a week. The Michigan State Police (MSP) have a department that does nothing but scan forms. This form contains an incredible amount of information for local road enforcement. It is not forth coming that the State Police can make this data available to local enforcement in a timely fashion. There is talk about redesigning the whole crash program. On this form there needs be GPS coordinates in bubble form.

Rob Surber, CGI, stated that is being discussed. MDOT has assigned Jack Benac to this process. Jack and Rob have discussed what can be done to integrate as an option for people who have GPS or want to integrate to have as a part of crash location form. Considered getting it to print a bar code that would be put as a sticker on the form that would be read in automatically for the XY. This information is tightly integrated into framework. The problem is that it is a convoluted process to get that information back. Rob is sure that they want to hear input.

Jeroen Wagendorp, Allegan County, stated that he saw the CD and there were 6,000 accidents in one year. Those have been manually isolated road segments where bad things happen for a variety of reasons. This stuff is earmarked for GIS analysis. The important data is captured on bubble sheet and then the location is handwritten.

Rob Surber, CGI, stated that one of the biggest challenges is filling out of information because officers feel that it is for the insurance companies because they never get feedback as a usable product. At the last meeting, Rob offered to prepare training materials to be passed out to locals because MDOT can use better data. Suggested that Jeroen contact Jack Banac, MDOT.

Valdis Kalnins, Allegan County, asked if anybody has been able to get raw data back.

Everett Root, CGI, responded that Scott Ambbs, Region II Planning, keeps a copy before they go in.

Jeroen Wagendorp, Allegan County, added that there are a couple of counties, Jackson and Kalamazoo, that have in-house bubble sheet reading.

Rob Surber, CGI, added that now there are crashes that have never been located. CGI is working with several groups in southeast Michigan on that issue.

Tammi Shepherd, Wayne County, reported that piloting a community to go through all their property addresses via parcel information and verify and fix all addresses. The community has been working on it for a couple of months. They are thinking about how Wayne County can use the information. Now Wayne County uses the actual property address, which is a lower priority than billing addresses, which is a high priority. Getting that layer updated is what the county is looking at so that they can use it with framework.

Rob Surber, CGI, added that would be a great input in the discussion with the Census Bureau.

Tammi Shepherd, Wayne County, added that they when they captured their planametrics, they also captured the digitization of the bridge decks. When they did the conflation, they brought bridge id's over to the nodes. The GPS Department is now going through the 200 nodes that are not falling on the captured bridge decks.

Rob Surber, CGI, suggested that she mention this to Dennis Kenaga, MDOT, because this is a real issue when validating that.

Joyce Newell, MDOT, added that MDOT realizes that they need to do a statewide review of the bridges. When doing it on a computer, you are making a guess of what the bridge decks are based on a description.

Tammi Shepherd, Wayne County, stated that it is easy with the bridge decks digitized. They are doing it countywide. Also starting work on framework maintenance. Also updating parcel base.

XI. Regional Projects and Activities

Ann VanSlembrouck, SEMCOG, reported that they are working on land use update and putting block attributes on framework. They are at 53% done, but this does not include cleanup work.

Rob Surber, CGI, stated that CGI added a couple block boundaries for urban boundaries in framework.

Ann VanSlembrouck, SEMCOG, added that next Thursday is their Regional GIS Meeting where they will talk about NHD. Also hope to start a discussion about the 2005 flight within the region - cooperation on a commonality of product and cost sharing. Most counties get 6" pixel resolution black and white digital ortho photos but Livingston County has color. If there are interested parties, will set up a meeting.

Rob Surber, CGI, commented that when Ann has documentation of what the group is concluding, it may be helpful for the state to look at.

Ann VanSlembrouck, SEMCOG, commented that they will probably know by the end of the month.

Eric Swanson, CGI, stated that he would be interested also to see if can also address the issue of use restrictions.

Rob Surber, CGI, added also if there are ways to work through that.

Tammi Shepherd, Wayne County, stated that they have data sharing agreements and non-disclosure. The SEMCOG Standards Meeting is before the Regional GIS Meeting.

Abbigail Mueller, WMRPC, reported that they are working on Osceola County land use updates. Working on recreation plans.

Jeroen Wagendorp, Allegan County, commented that the U.S. Army Corps of Engineers has done the land use along the shoreline from Benton Harbor to Muskegon. It is out there on federal dollars.

Rob Surber, CGI, stated that he will see if we can get the information for Abbi.

Everett Root, CGI, commented that the Corps may have shared the land use with John Clark.

XII. Federal Projects and Activities

Nobody in attendance.

XIII. Other Issues

XIV. Next Meeting Date

July 11, 2002, 10 a.m. until 12 p.m., Michigan Center for Geographic Information, George W. Romney Building, 111 S. Capitol, 10th Floor, Lansing, MI 48933

** If any changes or corrections are to be made to these minutes, please contact the Michigan Center for Geographic Information at (517) 373-7910. Changes and corrections will be noted on the final copy to be post.